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|--|---|--|
| INVITATION TO BID | CITY OF BATON ROUGE PARISH OF EAST BATON ROUGE PURCHASING DIVISION | RESPONSES MUST BE RECEIVED BY: 11/08/21 11:00 AM CST |
| TITLE: REQ9062 Unmanned Aircraft System | | RETURN BID TO: PURCHASING DIVISION |
| FILE NO: 09062-21 REQ NO: 21-9062 AD DATES: 10/21 & 10/28 | | <u>Mailing Address:</u> PO Box 1471 Baton Rouge, LA 70821 <u>Physical Address:</u> 222 St. Louis Street 8 th Floor Room 826 Baton Rouge, LA 70802 <u>**NOTE: U.S. Postal Regular & Expedited Mail do not deliver to our physical address; delays may occur due to City-Parish Mailroom processing</u> |
| SHIP TO ADDRESS: Mosquito Abatement & Rodent Control 10550 Veterans Memorial Blvd Baton Rouge, LA 70807 | | Contact Regarding Inquiries: Purchasing Analyst : Brit'Ney McCoy Telephone Number: 225-389-3259 x 3272 Email: bmccoy@brla.gov |
| VENDOR NAME | | MAILING ADDRESS |
| REMIT TO ADDRESS | | CITY, STATE, ZIP |
| TELEPHONE NO. | FAX NO. | E-MAIL |
| FEDERAL TAX ID OR SOCIAL SECURITY NUMBER | | TITLE |
| AUTHORIZED SIGNATURE (Required) | | PRINTED NAME |
| QUESTIONS TO BE COMPLETED BY VENDOR: 1. _____ STATE DELIVERY DAYS MAXIMUM AFTER RECEIPT OF ORDER 2. _____ % discount for payment made within 30 days. Discount for payment made in less than 30 days, or less than 1%, or applicable to an indefinite quantity contract will be accepted but not an award consideration. 3. _____ STATE ENUMERATED ADDENDA RECEIVED (IF ANY) | | |

F.O.B.: DESTINATION - PAYMENT TERMS: NET 30

ALL BLANKS ON THIS PAGE SHOULD BE COMPLETED TO AVOID REJECTION OF BID

The signature on this document certifies that proposer has carefully examined the instructions to bidders, terms and specifications applicable to, and made a part of this solicitation. By submission of this document, proposer further certifies that the prices shown are in full compliance with the conditions, terms and specifications of this solicitation. **Bid must be signed in the designated space above and by person authorized to sign for bidder.**

No alterations, changes or additions are allowed on this solicitation, and no additional information, clarifications or other documents are to be included unless specifically required by the specification. Any errors in extensions of prices will be resolved in favor of unit prices submitted.

If services are to be performed in East Baton Rouge City-Parish, evidence of a current occupational license and/or permit issued by the City-Parish shall be supplied by the successful vendor, if applicable.

INSTRUCTIONS TO BIDDERS / TERMS & CONDITIONS

Bidders are urged to promptly review the requirements of this specification and submit questions for resolution as early as possible during the bid period. Questions or concerns must be submitted in writing to the purchasing division during the bid period. Otherwise, this will be construed as acceptance by the bidders that the intent of the specifications is clear and that competitive bids may be obtained as specified herein. Protests with regard to the specification documents will not be considered after bids are opened.

1. Read the entire bid, including all terms and conditions and specifications.
2. Bids are mailed only as a courtesy. The City - Parish does not assume responsibility for failure of bidders to receive bids. Bidders should rely only on advertisements in the local newspaper, and should personally pick up bids and specifications. Full information may be obtained, or any questions answered, by contacting the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802 or by calling (225) 389-3259.
3. The bid number, bidder's name, address and bid opening date should be clearly printed or typed on the outside of the bid envelope. Only one bid will be accepted from each bidder for the same job. Alternates will not be accepted unless specifically requested in the proposal. Submission of more than one bid or alternates not requested may be grounds for rejection of all bids by the bidder.
4. The method of delivery of bids is the responsibility of the bidder. All bids must be received by the Purchasing Division on or before the specified bid opening date and time. Late bids will not be considered under any circumstances.
5. Failure to deliver within the time specified in the bid will constitute a default and may cause cancellation of the contract. Where the city has determined the contractor to be in default, the city reserves right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid from the defaulting contractor will be considered.
6. The City Parish specifically reserves the right to evaluate bids and award items separately, grouped or on an all or none basis, to accept the bid which is in the best interest of the City parish, and to reject all proposals if that is in the best interest of the City Parish.
7. Except for bids submitted through the www.bidexpress.com on-line bidding site, bids shall be accepted only on bid forms furnished by the City of Baton Rouge and Parish of East Baton Rouge Purchasing Division. Altered or incomplete bids (including non-acknowledgement of addenda issued, if any), or the use of substitute forms or documents, shall render the bid non-responsive and subject to rejection.
8. All bids must be typed or written in ink. Any erasures, strikeover and/or changes to prices should be initialed by the bidder. Failure to initial may be cause for rejection of the bid as non-responsive.
9. All bids must be manually signed by a properly authorized party. Failure to do so shall cause the bid to be rejected as non-responsive.
10. Where one or more vendor's exact products or typical workmanship is designated as the level of quality desired or equivalent, the Purchasing Division reserves the right to determine the acceptability of any equivalent offered.
11. Detailed factory specifications, illustrative literature and any deviations should be submitted with bid as required by the specifications or on the bid form. Representative samples shall be submitted upon request, if appropriate. Bidders proposing an equivalent brand or model should submit with the bid information (such as illustrations, descriptive literature, and technical data) sufficient for the City to evaluate quality, suitability, and compliance with the specifications in the solicitation.
12. Written addenda issued prior to bid opening which modifies the bid shall become a part of the bid, and shall be incorporated within the purchase order and/or contract. Only a written interpretation or correction by Addendum shall be binding. Bidders shall not rely upon any interpretation or correction given by any other method. Failure to acknowledge receipt of addenda (if any) shall render the bid non-responsive and subject to rejection.
13. For Printing solicitations, artwork, dies and/or molds shall become the property of the City - Parish Government and must be returned to the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802, upon completion of the order.

14. All applicable chemicals, herbicides, pesticides and hazardous materials must be registered for sale in Louisiana by the Department of Agriculture, State of Louisiana, registered with the EPA and must meet all requirements of Louisiana State Laws. Bidders must submit product label, material safety data sheet and EPA registry number with bid. This information will be required on any subsequent deliveries if there is a change in chemical content or a different product is being supplied. Failure to submit this data may be cause for the bid to be rejected or the contract canceled.
15. Delivery of items must be made on time to City - Parish final destinations within East Baton Rouge Parish. All freight charges shall be prepaid by vendor. Late deliveries or unsatisfactory performance may be cause to cancel the Purchase Order or contract.
16. The State of Louisiana Code of Governmental Ethics places restrictions on awarding contracts or purchase orders to persons who are employed by any agency of the City - Parish Government, or any business of which he or his spouse has more than a twenty-five percent (25%) interest. The Code also prescribes other restrictions against conflict of interest and establishes guidelines to assure that appropriate ethical standards are followed. If any question exists regarding potential violation of the Code of Ethics, bidders should contact the Purchasing Division prior to submission of the bid. Any violation of the Code of Ethics shall be grounds for disqualification of bid or cancellation of contract.
17. All Prices bid shall remain in effect for a period of at least sixty (60) days. City - Parish purchases are excluded from state and local taxes.
18. Acceptance of award by vendor, either in writing or by shipment of any article described herein, shall effectuate a contract between City - Parish and vendor for the materials described herein, and no additional conditions or amendments shall have any effect unless approved in writing by City - Parish.
19. Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Information pertaining to completed files may be secured by visiting the EBR City Parish Purchasing office during normal working hours.
20. The City - Parish is an equal opportunity employer, and does not discriminate against anyone on the basis of race, sex, creed, color, religion, national origin, ancestry, reprisal, disability, sexual orientation, marital status or political affiliation.
21. In accordance with Louisiana Revised Statutes, a preference may be allowed for equivalent products produced, manufactured or grown in Louisiana and/or firms doing business in the State of Louisiana. Do you claim this preference if allowed? YES ____ NO _____. If this preference is claimed, attach substantiating information to the proposal to show the basis for the claim.
22. Right To Audit Clause: The Contractor shall permit the authorized representative of the City-Parish to periodically inspect and audit all data and records of the Contractor relating to his performance under this contract.
23. Terms and Conditions: This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, vendor agrees that contrary terms and conditions which may be included in their bid are nullified; and agrees that this contract shall be construed in accordance with this solicitation and governed by the laws of the State of Louisiana as required by Louisiana Law.
24. In accordance with the provisions of LA. R.S. 38:2212.9, in awarding contracts after August 15, 2010, any public entity is authorized to reject the lowest bid from, or not award the contract to, a business in which any individual with an ownership interest of five percent or more has been convicted of, or has entered a plea of guilty or ***Nolo Contendere*** to any state felony crime or equivalent federal felony crime committed in the solicitation or execution of a contract or bid awarded under the laws governing public contracts under the provisions of Chapter 10 of this Title, professional, personal, consulting, and social services procurement under the provisions of Chapter 16 of Title 39 of the Louisiana Revised Statutes of 1950, or the Louisiana Procurement Code under the provisions of Chapter 17 of Title 39 of the Louisiana Revised Statutes of 1950
25. Certification of no suspension or debarment. By signing and submitting any bid for \$25,000 or more, the bidder certifies that their company, any subcontractors, or principals are not suspended or debarred by the general services administration (GSA) in "Audit Requirements In subpart F of the Office of Management and Budget's

uniform administrative requirements, cost principles, and audit requirements for federal awards” (Formerly OMB circular a-133).

A list of parties who have been suspended or debarred can be viewed via the internet at <http://www.sam.gov>.

26. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Bids containing “Payment in Advance” or “C.O.D. requirements may be rejected. Payment is to be made within 30 days after receipt of properly executed invoice or delivery, whichever is later.
27. Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined within 72 hours after bid opening. Information pertaining to completed files may be secured by visiting the Purchasing Division during normal working hours. Written bid tabulations may be accessed at: <http://city.brla.gov/dept/purchase/bidresults.asp>.
28. Contractor agrees, upon receipt of written notice of a claim or action, to defend the claim or action, or take other appropriate measure, to indemnify, and hold harmless, the city, its agents and employees from and against all claims and actions for bodily injury, death or property damages caused by fault of the contractor, its officers, its agents, or its employees. Contractor is obligated to indemnify only to the extent of the fault of the contractor, its officers, its agents, or its employees, however the contractor shall have no obligation as set forth with respect to any claim or action from bodily injury, death or property damages arising out of the fault of the City, its officers, its agents, or its employees.
29. In accordance with Louisiana Law (R.S. 12:262.1 and 12:1308.2), all corporations and limited liability companies must be in good standing with the Louisiana Secretary of State at the time of execution of the contract.
30. Vendors submitting signed bids agree to EEOC compliance and certify that they agree to adhere to the mandates dictated by Title VI and VII of the Civil Right Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veteran’s Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, the Age Act of 1975, and agrees to abide by the requirements of the Americans with Disabilities Act of 1990.

Bidders must agree to keep informed of and comply with all federal, state and local laws, ordinances and regulations which affect their employees or prospective employees.

31. The City of Baton Rouge, Parish of East Baton Rouge launched a new Enterprise Resource Planning (ERP) system, Vendor Self Service (VSS) via Munis. VSS replaced the legacy vendor database and will be used by all departments and agencies citywide.

Vendor Self-Service (VSS) enables vendors to register and maintain information about their organization for the purpose of doing business with City-Parish and receive notifications of business opportunities. The City-Parish procurement activities are subject to the State of Louisiana Public Bid Law, local city-parish ordinances as well as applicable federal statutes as directed by grant providers. Vendors must be registered to receive bid notifications.

New vendors or existing vendors who need to create a VSS account can do so clicking the Registration link at <http://brla.gov/vss>. Vendors are encouraged to review the step by step <https://www.brla.gov/DocumentCenter/View/4899/Vendor-Self-Service-Registration-Guide-PDF> before beginning the registration process which may be assessed at <https://www.brla.gov/DocumentCenter/View/4899/Vendor-Self-Service-Registration-Guide-PDFide>.

Additional information regarding how to do business with EBR City-Parish is available at: <https://www.brla.gov/DocumentCenter/View/678>.

We also post our scheduled bid openings, as well as unofficial bid tabulations after the bids have opened at <http://city.brla.gov/dept/purchase/bids.asp>.

Note: Commodity codes are required for setting up your profile. These numbers tell us what commodities and services that you can provide. When agencies request products or services, our buyers pull directly from these numbers to send out solicitations, bids, and quotes. The first 3 numbers are the class numbers; the subclasses are two digit numbers that better describe the commodity or service. For questions regarding commodity codes, please contact purchasing at (225) 389-3259 Ext 0.

Important! - A W-9 Form is required in order to do business with City-Parish. Part of the online enrollment process requires you to upload a completed W-9 form. Please have the completed form in an electronic format so

that you can submit it as part of the registration process. The W-9 form can be downloaded from the IRS website. We have created step by step directions on how to properly complete the W-9 Form.

FEDERAL CLAUSES, IF APPLICABLE.

I. Remedies for Breach

Bidder acknowledges that contracts in excess of the simplified purchase threshold (\$150,000.00) shall contain provisions allowing for administrative, contractual, or legal remedies for contractor breaches of the contract terms, and shall provide for such remedial actions as appropriate.

II. Termination and Settlement

Bidder acknowledges that contracts in excess of \$10,000.00 shall contain termination provisions including the manner in which termination shall be effected and the basis for settlement. In addition, such provisions shall describe conditions for termination due to fault and for termination due to circumstances outside of the contractors' control.

III. Access to Records

Bidder acknowledges that all contracts (except those for less than the small purchase threshold) shall include provisions authorizing the recipient, US Funding Agency, the Comptroller General, or any of their duly authorized representatives access to all books, documents, papers, and records of the contractor which are directly pertinent to a specific program for the purpose of making audits, examinations, excerpts, and transcriptions.

IV. Equal Employment Opportunity

Bidder acknowledges that all contracts shall contain provisions requiring compliance with

E.O. 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11236 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Dept. of Labor.

V. Copeland "Anti-Kickback" Act

Bidder acknowledges that all construction/repair contracts and sub-grants in excess of \$2,000 shall include provisions requiring compliance with the Copeland "Anti-kickback" Act (18 U.S.C. §3141-3148), which provides that each contractor or sub-recipient shall be prohibited from inducing any person employed in the construction, completion, or repair of public work, to give up any part of the entitled.

VI. Davis-Bacon Act

Bidder acknowledges that all construction contracts in excess of \$2,000 shall include a provision for compliance with the Davis-Bacon Act, which requires contractors to pay laborers and mechanics wages at a rate not less than the minimum wages specified in a wage determination made by the Secretary of Labor. Additionally, contractors shall be required to pay wages not less than once a week.

VII. Contract Work Hours and Safety Standards Act

Bidder acknowledges that all construction contracts in excess of \$2,000, and all other contracts involving the employment of mechanics or laborers in excess of \$2,500 shall include provisions for compliance with sections 102 and 107 of the Contract Work Hours and Safety Standards Act, which requires each contractor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours. Section 107 is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous.

VIII. Rights to Inventions Made Under a Contract or Agreement

Bidder acknowledges that contracts for the performance of experimental, developmental, or research work shall include provisions providing for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and the Small Business Firms Under Governments Grants, Contracts, and Cooperative Agreements"

IX. Clean Air Act

Bidder acknowledges that the Clean Air Act (CAA) is the comprehensive federal law regulating air emissions from stationary and mobile sources. Among other things, this law authorizes EPA to establish National Ambient Air Quality Standards (NAAQS) to protect public health and public welfare and to regulate emissions of hazardous air pollutants

X. Clean Water Act.

The contractor hereby agrees to adhere to the provisions which require compliance with all applicable Standards, orders, or requirements issued under section 508 of the clean water act which prohibits the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA list of violating facilities

XI. Energy policy and conservation act

The contractor hereby recognizes the mandatory standards and policies relating to energy Efficiency which is contained in the state energy conservation plan issued in compliance with the energy policy and Conservation act (P.L. 94-163).

Bidders must agree to keep informed of and comply with all federal, state and local laws, ordinances and regulations which affect their employees or prospective employees.

INQUIRY PERIOD

An inquiry period is hereby firmly set for all interested bidders to perform a detailed review of the bid documents and to submit any written questions relative thereto. *Without exception*, all questions **MUST** be in writing and received by 5:00 pm on the Inquiry Deadline date **11/01/2021**. Inquiries shall not be entertained thereafter. Inquiries are to be directed as follows:

Hand Delivered or by Courier
Brit'Ney McCoy, Purchasing Analyst II
City-Parish Purchasing Department
222 St. Louis Street, Room 826
Baton Rouge, LA 70821

By email: bmccoy@brla.gov

By fax: (225) 389-4841

The City-Parish shall not and cannot permit an open-ended inquiry period, as this creates an unwarranted delay in the procurement cycle and operations of our departments. The City-Parish reasonably expects and requires *responsible and interested* proposers to conduct their in-depth proposal review and submit inquiries in a timely manner.

CONTRACTOR'S AND SUB CONTRACTOR'S INSURANCE

Contractor and any subcontractor shall carry and maintain at least the minimum insurance as specified below until completion and acceptance of the work. Insurance companies listed on certificates must have industry rating of A-, Class VI or higher, according to Best's Key Rating Guide. Contractor is solely responsible for assuring that its subcontractors meet these insurance requirements. Upon request, the contractor shall furnish within five (5) working days, copies of insurance certificates for subcontractors, and/or copies of all actual policies including contractor's policies.

- A. Commercial General Liability - Occurrence Basis:
- | | |
|----------------------------|-------------|
| General Aggregate | \$2,000,000 |
| Products-Comp/Op Agg | \$1,000,000 |
| Personal & Adv Injury | \$1,000,000 |
| Each Occurrence | \$1,000,000 |
| Fire Damage (Any one fire) | \$ 50,000 |
| Med Exp | \$ 5,000 |
- B. Business Auto - Combined Single Limit: Any Auto, or Owned, Non-Owned & Hired \$ 300,000
- C. Standard Worker's Compensation - Full statutory liability for State of Louisiana with Employer's Liability Coverage.
- D. Coverage afforded the City Parish applies as primary and not excess or contributing to any other insurance carried by the City of Baton Rouge and Parish of East Baton Rouge.
- E. The City of Baton Rouge and Parish of East Baton Rouge must be named as additional insured on all general liability policies described above.
- F. Waiver of subrogation and alternate employer endorsement in favor of City of Baton Rouge and Parish of East Baton Rouge is required from Worker's Compensation Insurer. The City of Baton Rouge and Parish of East Baton Rouge must also be named as additional insured on worker's compensation policies.
- G. Certificates must provide for thirty (30) days written notice to Certificate Holder prior to cancellation or change.
- H. The Certificate Holder should be shown as:

City of Baton Rouge and Parish of East Baton Rouge
Attn: Purchasing Division
Post Office Box 1471
Baton Rouge, Louisiana 70821

Pricing Sheet

| ITEM | DESCRIPTION | ESTIMATED QTY | UNIT | UNIT PRICE | TOTAL |
|------|---|---------------|------|------------|---------|
| 0001 | PrecisionVision 35X Unmanned Aircraft System, (Leading Edge Part# PV35000) or approved equal State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |
| 0002 | 18 Ah – 22.2 Volt LIPO Battery, (Leading Edge Part# PV450010) or approved equal State Brand and Model Bidding: <hr/> | 10 | EA | \$_____ | \$_____ |
| 0003 | Battery Charger, (Leading Edge Part# PV450011) or approved equal State Brand and Model Bidding: <hr/> | 2 | EA | \$_____ | \$_____ |
| 0004 | Granular Payload System (18L), (Leading Edge Part# PV350018-24) or approved equal State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |

Pricing Sheet

| ITEM | DESCRIPTION | ESTIMATED QTY | UNIT | UNIT PRICE | TOTAL |
|------|---|---------------|------|------------|---------|
| 0005 | PrecisionVision Ground Control Station, (Leading Edge Part# PV350086a) or approved equal State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |
| 0006 | Annual GCS Software License, (Leading Edge Part# PV3500086b) or approved equal State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |
| 0007 | Aerial Application Training Course, (Leading Edge Part# T-100) or approved equal State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |

| ITEM | DESCRIPTION | ESTIMATED QTY | UNIT | UNIT PRICE | TOTAL |
|------|---|---------------|------|------------|---------|
| 0008 | Certificate of Authorization (COA) Submission, (<i>Leading Edge Part# T-140</i>) or approved equal State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |
| 0009 | Shipping Charges State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |
| 0010 | Travel Charges State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |
| 0011 | PrecisionVision Avionics Suite, (<i>Leading Edge Part# PV00098</i>) or approved equal State Brand and Model Bidding: <hr/> | 1 | EA | \$_____ | \$_____ |

Specifications:

The brand and model used in this specification is used only to denote the general style, type, character and quality standard of the supplies requested. Please note the brand and model that you are bidding in the designated spaces provided. If bidding other than specified, sufficient information should be enclosed with the bid to in order to determine quality, suitability, compatibility and compliance with the specifications.

| Specification Descriptions | Indicate Whether Item Meets Specifications YESNO | | Deviation |
|---|---|--|-----------|
| Bid Item #0001 - PrecisionVision 35X Unmanned Aircraft System, (Leading Edge Part# 3-35000) or approved equal | | | |
| Capable of lifting 30 pounds of liquid or solid material | | | |
| Ability of interchangeable payload systems within 15 minutes | | | |
| Capable of three payload system types to include: liquid, granular, and aduclticing | | | |
| Liquid payload flow rate range 10-230 ounces | | | |
| Ability to interchange TeeJet nozzle tips to create droplet spectrums compliant with ASTM standard classifications. Proven and documented swath characterization using TeeJet AI11002, AI11003, AI11004, XT11002, 8003 | | | |
| Liquid spray boom and pumps, capable of supporting up to 6 nozzles (limited based on nozzle flow rate and boom pressure). System must also be able to perform spot spraying with a single nozzle configuration and fly and spray within 4cm of precision accuracy | | | |
| Swath width for granular materials must be cable of 4'-90' and documented using industry standard swath characterization methods published by ASTM | | | |
| Spray boom nozzles installed and removed within 1-minute | | | |
| Spray boom width a minimum of 12' | | | |
| Nozzles capable of being position anywhere on the boom and at any orientation | | | |
| Emergency return to home or mission abort must shut down spray system (liquid, granular or aduclticing system) | | | |
| Aduclticing system must consist of rotary atomizer nozzles capable of producing a DV.5 between 38-42 microns and a DV.9 of <80 | | | |

Specifications:

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| Specification Descriptions | Indicate Whether Item Meets Specifications | | Deviation |
|---|--|----|-----------|
| | YES | NO | |
| Adulticiding rotor atomizer RPM must be controlled by a separate PWM channel and capable of adjusting rotary atomizer RPM between 3000-12,000 RPM | | | |
| | | | |
| Bid Item #0002 - 18 Ah – 22.2 Volt LIPO Battery, (Leading Edge Part# 450010) or approved equal | | | |
| | | | |
| Bid Item #0003 - Battery Charger, (Leading Edge Part# 450011) or approved equal | | | |
| | | | |
| Bid Item #0004 - Granular Payload System (18L), (Leading Edge Part# 5-350018) or approved equal | | | |
| | | | |
| Bid Item #0005 - PrecisionVision Ground Control Station, (Leading Edge Part# PV350086a) or approved equal | | | |
| | | | |
| Flow rate for liquid, granular and adulticiding payloads is controlled through a PWM interface within the Ground Control Station software | | | |
| GCS (Ground Control Station) Software must be/have: | | | |
| Capable of creating treatment polygon on GCS | | | |
| Create polygons, lines, paths or points; save, recall, delete each flight plan | | | |
| Create a waypoint flight plan creation on GCS | | | |
| Default satellite imagery background layer automatically displayed | | | |
| Have user selectable swath width, ground speed, altitude | | | |
| Altitude settings must include a takeoff height for transitioning over or under obstructions and a spray altitude | | | |
| Autogenerate spray flight lines and display all waypoints and flight lines over the satellite imagery | | | |

Specifications:

The brand and model used in this specification is used only to denote the general style, type, character and quality standard of the supplies requested. Please note the brand and model that you are bidding in the designated spaces provided. If bidding other than specified, sufficient information should be enclosed with the bid to in order to determine quality, suitability, compatibility and compliance with the specifications.

| Specification Descriptions | Indicate Whether Item Meets Specifications | | Deviation |
|---|--|----|-----------|
| | YES | NO | |
| Each waypoint is required to be modified and “dragged” to the desired location over the satellite imagery | | | |
| All satellite imagery must be able to be cached in case the operation is outside or without internet access | | | |
| Have all flight telemetry data displayed in real time to include connection status, number of GPS satellites acquired, battery level to include % remaining and total volts remaining, GCS battery level and signal quality | | | |
| All telemetry data must be displayed and update once a second | | | |
| Real-time access to checklist on GCS (overall status, compass, flight mode, IMU status, ESC status, radio channel quality, aircraft battery, battery temp, gimbal status storage available | | | |
| Autonomous transfer of flight plan to UAS | | | |
| Display distance from home point, ground speed, altitude displayed in menu | | | |
| Access for user selectable data fields to be displayed such as distance from home, distanced to waypoint, altitude | | | |
| Import shapefiles or KLM files to create treatment plans – must be cable of importing poly, point and line | | | |
| Create, save missions, Start, Pause and Resume flight mission through GCS | | | |
| Ability to create flight plans through following methodologies, polygons, points, lines, paths | | | |
| Ground Control Station and Sunlight readable display must be an all in one unit. No external laptop can be used. ONLY IF USER IS DEPLOYING RTK OPTION | | | |
| Built in timer and alarm to alert user when payload is low | | | |
| Return-To-Land (RTL) altitude must be user selectable | | | |

Specifications:

The brand and model used in this specification is used only to denote the general style, type, character and quality standard of the supplies requested. Please note the brand and model that you are bidding in the designated spaces provided. If bidding other than specified, sufficient information should be enclosed with the bid to in order to determine quality, suitability, compatibility and compliance with the specifications.

| Specification Descriptions | Indicate Whether Item Meets Specifications | | Deviation |
|--|--|----|-----------|
| | YES | NO | |
| User must have the ability to turn off/on the obstruction avoidance LiDAR and set the distance for the LIDAR sensor to detect an obstruction | | | |
| User must be able to turn off/on the terrain following LIDAR/Radar and set the altitude to be maintained by the aircraft | | | |
| User must be able to set turn the audio announcements on/off | | | |
| System must provide user the ability change the units of measure from metric to imperial | | | |
| Spray System must provide the user the ability to: | | | |
| Set the type of material to be applied, specifically granular, liquid or other | | | |
| Set the speed at which the granular casting arm turns | | | |
| Set the flow gate value to vary the granular material flow rate per minute | | | |
| Set the total time a payload amount will last | | | |
| Set the swath width the material will achieve | | | |
| All of these settings must be saved for each and every material the user creates | | | |
| Software and firmware updates; System must: | | | |
| Automatically alert the users when a new software release is available | | | |
| Be capable of checking the current version of software | | | |
| Downloading and automatically update the software version, all within the application (with internet access) | | | |
| Firmware updates must be performed through a Windows based computer using manufacturer supplied | | | |
| Background Satellite Maps must: | | | |
| Be displayed as a background layer | | | |
| Be able to zoom in/out, pan map | | | |

Specifications:

The brand and model used in this specification is used only to denote the general style, type, character and quality standard of the supplies requested. Please note the brand and model that you are bidding in the designated spaces provided. If bidding other than specified, sufficient information should be enclosed with the bid to in order to determine quality, suitability, compatibility and compliance with the specifications.

| Specification Descriptions | Indicate Whether Item Meets Specifications | | Deviation |
|---|--|----|-----------|
| | YES | NO | |
| Be capable of caching background maps before operating the GCS in an area without internet services | | | |
| User selectable zoom range for max and minimum zoom to cache the required maps | | | |
| Be able to delete cache maps | | | |
| Automatically load cached maps without user interface | | | |
| Flight recordings; System must: | | | |
| Produce a shapefile with a WGS84 projection system | | | |
| Create a shapefile that displays the area that was sprayed that includes the swath width applied | | | |
| Create a shapefile that contains points recorded each second | | | |
| Points shapefile must contain; date, time, ground speed, heading, altitude and spray switch status on/off | | | |
| All shapefiles must be easily copied to external microSD card | | | |
| Built in Emergency Procedures; System must: | | | |
| Execute an autonomous RTL (Return-To-Land) in the event there is lost communication between the Ground Control Station and the aircraft | | | |
| Execute an autonomous RTL (Return-To-Land) when the aircraft battery reaches a low battery WARNING state | | | |
| Execute an emergency landing in the event the user allows the batteries to reach a CRITICAL low power level | | | |
| Provide the user the ability to execute and pilot induced RTL | | | |
| <i>If a system or pilot induced RTL is executed, it is required by the Federal Aviation Administration that the aircraft shut down the spray system in the event that the spray system is on</i> | | | |

Specifications:

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| Specification Descriptions | Indicate Whether Item Meets Specifications | | Deviation |
|---|--|----|-----------|
| | YES | NO | |
| In the unlikely event a motor or prop is compromised, the aircraft is required to enter a rotational, single position flight and land. System must allow pilot input to assist in the landing | | | |
| Bid Item #0006 - Annual GCS Software License, (Leading Edge Part# PV3500086b) or approved equal | | | |
| | | | |
| Bid Item #0007 - Aerial Application Training Course, (Leading Edge Part# T-100) or approved equal | | | |
| | | | |
| Bid Item #0008 - Certificate of Authorization (COA) Submission, (Leading Edge Part# T-140) or approved equal | | | |
| | | | |
| Bid Item #0009 – Shipping Charges | | | |
| | | | |
| Bid Item #0010 – Travel Charges | | | |
| Charges for Representative to travel for Instruction of Aerial Application Training Course (Item 0007) | | | |
| Bid Item #0011 - PrecisionVision Avionics Suite, (Leading Edge Part# PV00098) or approved equal | | | |
| Auto spray on/off logic and hardware built into avionics suite | | | |

**BIDDER'S ORGANIZATION
BIDDER IS:**

AN INDIVIDUAL

Individual's Name: _____

Doing business as: _____

Address: _____

Telephone No.: _____ Fax No.: _____

A PARTNERSHIP

Firm Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

A LIMITED LIABILITY COMPANY

Company Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

A CORPORATION

IF BID IS BY A CORPORATION, THE CORPORATE RESOLUTION SHOULD BE SUBMITTED WITH BID.

Corporation Name: _____

Address: _____

State of Incorporation: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

IF BID IS BY A JOINT VENTURE, ALL PARTIES TO THE BID SHOULD COMPLETE THIS FORM.

CORPORATE RESOLUTION

A meeting of the Board of Directors of _____ a _____ corporation organized under the laws of the State of _____ and domiciled in _____ was held this _____ day of _____, 20 ____ and was attended by a quorum of the members of the Board of Directors.

The following resolution was offered, duly seconded and after discussion was unanimously adopted by said quorum:

BE IT RESOLVED, that _____ is hereby authorized to submit proposals and execute agreements on behalf of this corporation with the City of Baton Rouge, and Parish of East Baton Rouge.

BE IT FURTHER RESOLVED, that said authorization and appointment shall remain in full force and effect, unless revoked by resolution of this Board of Directors and that said revocation will not take effect until the Purchasing Director of the Parish of East Baton Rouge, shall have been furnished a copy of said resolution, duly certified.

I, _____, hereby certify that I am the Secretary of _____, a corporation created under the laws of the State of _____ domiciled in _____; that the foregoing is a true and exact copy of a resolution adopted by a quorum of the Board of Directors of said corporation at a meeting legally called and held on the _____ day of _____, 20____, as said resolution appears of record in the Official Minutes of the Board of Directors in my possession.

This _____ day of _____, 20____.

SECRETARY